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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,819	12/20/2004	Lanna Li	133087.06901(100682-1PUS)	9884
52286	7590	12/12/2007	EXAMINER	
Pepper Hamilton LLP			KOSACK, JOSEPH R	
400 Berwyn Park			ART UNIT	PAPER NUMBER
899 Cassatt Road			1626	
Berwyn, PA 19312-1183				
			MAIL DATE	DELIVERY MODE
			12/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/518,819	LI, LANNA	
	Examiner	Art Unit	
	Joseph Kosack	1626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 21 September 2007.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-14 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-3, 13 and 14 is/are rejected.

7) Claim(s) 4-12 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All . b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. ____ .
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 11/9/05. 5) Notice of Informal Patent Application
6) Other: ____ .

DETAILED ACTION

Claims 1-14 are pending in the instant application.

Election/Restrictions

Applicant's election with traverse of Group I (claims 1-14 in part) in the reply filed on September 21, 2007 is acknowledged. The traversal is on the ground(s) that search burden has not been shown. This is not found persuasive because search burden is not a consideration for a lack of unity requirement under 35 U.S.C. 372.

The requirement is still deemed proper and is therefore made FINAL. Claims 1-14 (in part) are withdrawn from further consideration by the Examiner under 37 CFR 1.142(b) as being drawn to a non-elected invention.

Priority

The claim to priority as a 371 filing of PCT/GB03/02598 filed June 17, 2003, which claims priority to SE 02021937-0 June 20, 2002 is acknowledged in the instant application.

Information Disclosure Statement

The Information Disclosure Statement filed on November 09, 2005 has been considered fully by the Examiner.

Claim Objections

Claims 4-8 and 10-12 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot refer to another multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims have not been further treated on the merits.

Claims 1-3, 9, and 13-14 are objected to for containing elected and non-elected subject matter. The elected subject matter has been identified *supra*.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

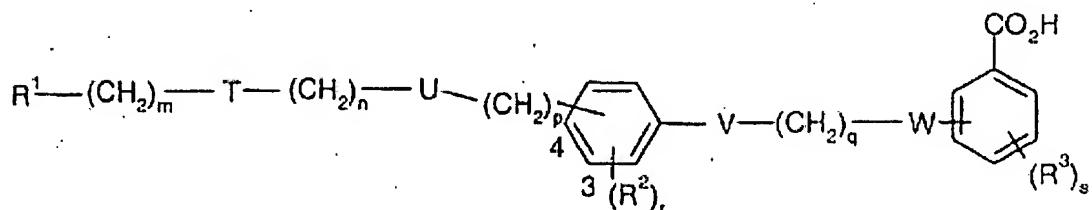
The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-3 and 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kanamaru et al. (USPN 5,922,767) in view of Patani et al. (*Chem. Rev.* 1996, 3147-3176).

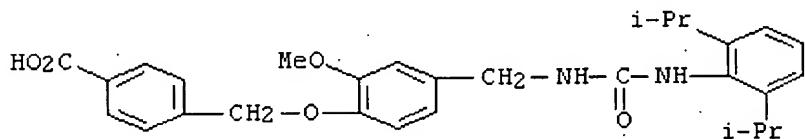
The instant claims are drawn to a compound of the formula



where W

is a direct bond, q is 1, V is O, and all other substituents are as defined.

Kanamaru et al. teach a compound of the formula



See compound 34, columns

29-30.

Kanamaru et al. do not teach a linker of CH2NHC(O)CH2 in place of the CH2NHC(O)NH linker, the protected form of the compound, or the process to deprotect the carboxylic acid.

Patani et al. teach the bioisosteric replacement of CH2 for NH in a divalent linker. See pages 3155-3156, Especially Tables 19 and 20 and Figures 23 and 24. Protecting groups for carboxylic acids and methods for protecting and deprotecting carboxylic acids are commonly known throughout the chemical arts. The motivation to make the change along with the reasonable expectation of success are provided by Patani et al.

which teaches that bioisosterism represents one approach for the medicinal chemist to rationally modify lead compounds into safer and more clinically effective agents. See page 3147.

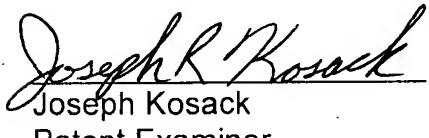
Conclusion

Claims 1-3 and 13-14 are rejected. Claims 1-14 are objected to.

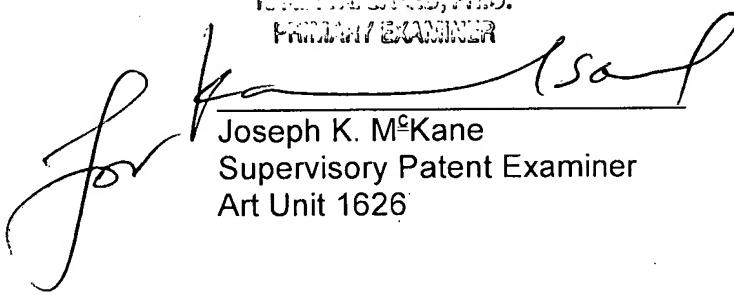
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Kosack whose telephone number is (571)-272-5575. The examiner can normally be reached on M-F 6:30 A.M. until 4:00 P.M. The examiner has every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph M^cKane can be reached on (571)-272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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